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DETAILED OFFICE ACTION

The Information Disclosure Statement of 12 April 2011 is acknowledged and entered.

Currently, claims 1, 2, 4, 5 and 7 are under consideration.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to the applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Withdrawal of Rejections:

The rejection of claims 1, 2, 4, 5 and 7, under 35 USC § 102(e) for being anticipated by Li (2007) is withdrawn based on applicant's arguments (21 April 2011).

The rejection of claim 5 under 35 USC § 101 is withdrawn based on applicant's amendment which inserted the word "isolated" to describe the claimed host cell (21 April 2011).

Examiner's Amendment:

Approval for this examiner's amendment was given by Jeremiah B. Frueauf on 15 June 2011.

Please cancel claims 8-10, 13-16, 18, 19, 22, 24 and 26-29.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

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Allowance."

Conclusion:

Claims 1, 2, 4, 5 and 7 are allowed.

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Advisory information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sandra Wegert whose telephone number is (571) 272-0895. The examiner can normally be reached Monday - Friday from 9:00 AM to 5:00 PM (Eastern Time). If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, Gary Nickol, can be reached at (571) 272-0835.

The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (in USA or CANADA) or 571-272-1000.

/SLW/

15 June 2011

/Gary B. Nickol /

Supervisory Patent Examiner, Art Unit 1645